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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	1	of	5
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Application Number	10/643,083
Filing Date	August 19, 2003
First Named Inventor	Andreas PLUECKTHUN et al.
Group Art Unit	2143
Examiner Name	Unassigned
Attorney Docket Number	37629-0077

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/Mark Shibuya/

07/20/2006

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MS	A03	Missiakas et al., Molecular Microbiology 21(4):871-884 (1996)	
	A04	Wall et al., Current Opinion in Biotechnology 6:507-516 (1995)	
	A05	Aasland, R. et al., "Identity of the 17-Kilodalton Protein, a DNA-Binding Protein from <i>E. coli</i> , and the <i>firA</i> Gene Product," Journal of Bacteriology, 170, 5916-5918 (1988)	
	A06	Bardwell, J. C. A. et al., "Building Bridges: Disulphide Bond Formation in the Cell," Molecular Microbiology, 14, 199-205 (1994)	
↓	A07	Bothmann, H. et al., "Selection for a Periplasmic Factor Improving Phage Display and Functional Periplasmic Expression," Nature Biotechnology, 16, 376-380 (1998).	
	A08	Buchner, J., "Supervising the Fold: Functional Principles of Molecular Chaperones," 10, 10-19 (1996)	
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	A11	Dunn, I. S., "Phage Display of Proteins," Current Opinion Biotechnology, 7, 547-553 (1996)	
	A12	Fleischmann, R. D. et al., "Whole-Genome Random Sequencing and Assembly of <i>Haemophilus influenzae</i> Rd," Science, 269, 496-512 (1995)	
	A13	Geyer, R. et al., "A Lipopolysaccharide-Binding Cell-Surface Protein from <i>Salmonella minnesota</i> . Isolation, Partial Characterization and Occurrence in Different Enterobacteriaceae," Eur. J. Biochem., 98, 27-38 (1979).	
	A14	Gill, S. C. et al., "Calculation of Protein Extinction Coefficients from Amino Acid Sequence Data," Analytical Biochemistry, 182, 319-326 (1989)	
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MS	A16	Hirvas, L. et al., "The ompH Gene of Yersinia enterocolitica: Cloning, Sequencing, Expression, and Comparison with Known Enterobacterial ompH Sequences," Journal of Bacteriology, 173, 1223-1229 (1991)	
	A17	Holck, A. et al., "Cloning and Sequencing of the Gene for the DNA-binding 17K Protein of Escherichia coli," Gene., 67, 117-124 (1988)	
	A18	Hottenrott, S. et al., "The Escherichia coli SlyD Is a Metal Ion-regulated Peptidyl-prolyl cis/trans Isomerase," The Journal of Biological Chemistry, 272, 15697-15701 (1997)	
	A19	Jung, S. et al., "Improving in vivo Folding and Stability of a Single-Chain Fv Antibody Fragment by Loop Grafting," Protein Engineering, 10, 959-966 (1997)	
	A20	Knappik, A. et al., "The Effect of Folding Catalysts on the In Vitro Folding Process of Different Antibody Fragments Expressed in Escherichia Coli," Bio.Technology, 11, 77-83(1993)	
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	A22	Koski, P. et al., "Complete Sequence of the ompH Gene Encoding the 16-kDa Cationic Outer Membrane Protein of Salmonella typhimurium," Gene, 88, 117-120 (1990)	
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	A24	Krebber, A. et al., "Reliable Cloning of Functional Antibody Variable Domains from Hybridomas and Spleen Cell Repertoires Employing a Reengineered Phage Display System," Journal of Immunological Methods, 201, 35-55 (1997)	
	A25	Krebber, C. et al., "Selectively-Infective Phage (SIP): A Mechanistic Dissection of a Novel in vivo Selection for Protein-Ligand Interactions," J. Mol. Biol., 268, 607-618 (1997)	
	A26	Martin, J. et al., "Chaperone-Assisted Protein Folding," Current Opinion in Structural Biology, 7, 41-52 (1997)	
✓	A27	Missiakas, D. et al., "Protein Misfolding in the Cell Envelope of Escherichia coli: New Signaling Pathways," Trends Biochem Sci., 22, 59-63 (1997)	

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	A28	Missiakas, D. et al., "New Components of Protein Folding in Extracytoplasmic Compartments of Escherichia coli, SurA, EkpA and Skp/OmpH," Molecular Microbiology, 21, 871-884 (1996)	
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	A32	Roof, W.D. et al., "slyD, a Host Gene Required for ΦX174 Lysis, Is Related to the FK506-binding Protein Family of Peptidyl-prolyl cis-trans-Isomerases," The Journal of Biological Chemistry, 269, 2902-2910 (1994)	
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	A34	Skerra, A. et al., "Assembly of a Functional Immunoglobulin Fv Fragment in Escherichia coli," Science, 240, 1038-1041(1988)	
	A35	Smith, G.P., et al., "Libraries of Peptides and Proteins Displayed on Filamentous Phage," Methods in Enzymology, 217, 228-257 (1993)	
	A36	Söderlind, E. et al., "Chaperonin Assisted Phage Display of Antibody Fragments on Filamentous Bacteriophages," Bio/Technology, 11, 503-506 (1993)	
	A37	Szabo, A. et al., "The ATP Hydrolysis-Dependent Reaction Cycle of the Escherichia Coil Hsp70 System-DnaK, DnaJ, and GrpE," Proc. Natl. Acad. Sci. U.S.A., 91, 10345-10349 (1994)	
	A38	Thome, B.M. et al., "Skp is a Periplasmic Escherichia coil Protein Requiring SecA and SecY for Export," Molecular Microbiology, 5, 2815-2821 (1991)	
	A39	Thome, B.M. et al., "A Protein with Sequence Identity to Skp (FirA) Supports Protein Translocation Into Plasma Membrane Vesicles of Escherichia coil," FEBS Lett., 269, 113-116 (1990)	
↓	A40	Vaughan, T.J. et al., "Human Antibodies with Sub-nanomolar Affinities Isolated from a Large Non-Immunized Phage Display Library," Nature Biotechnology, 14, 309-314 (1996)	

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MS	A41	Vimekäs, B. et al., "Trinucleotide Phosphoramidites: Ideal Reagents for the Synthesis of Mixed Oligonucleotides for Random Mutagenesis," Nucleic Acids Research, 22, 5600-5607 (1994)	
↓	A42	Wall, J.G. et al., "Effects of Overexpressing Folding Modulators on the in vivo Folding of Heterologous Proteins in Eschichia coil," Current Opinion in Biotechnology, 6, 507-516 (1995)	
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